

## ACS PRE-DEPARTURE MODING CONFIGURATION

### NOTE

This procedure and the configuration of the Pending Back Off timer should be conducted a minimum of one hour before undocking. Program back off time default setting is 10 seconds.

PCS

#### 1. VERIFY ACS MODING ROLE CONFIGURATION

MCS: ACS Moding

ACS Moding

'ACS Configuration'

√Moding Role Primary, Secondary NCS - Full

```
*****
* If Primary/Secondary NCS Moding Role is not set to Full, *
* then the following commands should be sent                *
*                                                            *
*      cmd N1-1 - Arm                                       *
*      cmd N1-2 - Arm                                       *
*      √Arm Status Primary, Secondary NCS - Arm            *
*                                                            *
*      cmd N1-1 - Full                                       *
*      cmd N1-2 - Full                                       *
*      √Moding Role Primary, Secondary NCS - Full          *
*      √Arm Status Primary, Secondary NCS - Disarm         *
*****
```

#### 2. VERIFY RUSSIAN SEGMENT MODE STATUS

'ACS Configuration'

√RS Mode Primary, Secondary NCS - Drift

#### 3. VERIFY INITIAL ACS HW SIGNAL CONFIGURATION

sel ACS Moding HW Signals

ACS Moding HW Signals

'Departure'

√PMA2 Interface Sealed N1-1, N1-2 NCS - X

√PMA2 Undocking Complete N1-1, N1-2 NCS - Blank

#### 4. VERIFY NCS SOFTWARE DEPARTURE EVENT STATUS AND CONFIGURATION

sel ACS Moding

ACS Moding

'Departure'

- √PMA 2 Interface Sealed Primary, Secondary NCS - X
- √PMA 2 Undocking Complete Primary, Secondary NCS - Blank
- √Departure Event Primary, Secondary NCS - Blank

##### 5. SET PENDING BACK OFF TIMER FOR ORBITER DEPARTURE

ACS Moding

'Departure'

sel Pending Back Off Time

'Primary NCS'

**cmd** 10 Seconds

√Pending Back Off Time - 10

√Arm Status - Arm

'Secondary NCS'

**cmd** 10 Seconds

√Pending Back Off Time - 10

√Arm Status - Arm

```

*****
* If the Pending Back Off Time needs to be canceled or configured *
* later, disarm the current Pending Back Off Time as follows *
*
* sel Pending Back Off Time *
*
* 'Primary, Secondary NCS' *
*
* cmd Incorporate Disarm *
* √Arm Status - Disarm *
*****

```

##### 6. INCORPORATE PENDING BACK OFF TIME

'Departure'

sel Pending Back Off Time

'Primary NCS'

**cmd** Incorporate Pending Back Off Time

√Back Off Time - 10

√Arm Status - Disarm

'Secondary NCS'

**cmd** Incorporate Pending Back Off Time

√Back Off Time - 10

√Arm Status - Disarm